The authors have no financial interests in this survey study.
2015 Survey

- Seventh year of ONLINE*** Survey
- E-mailed to 1022 U.S. ISRS members; 486 Opened
- Twentieth year of refractive data collection overall

- 55 responses analyzed by October 27, 2015 for 9.8% response of the membership’s opened e-mail requests

- Alphabet soup of refractive surgery including corneal and lens-based surgeries, premium IOLs, and FS cataract surg.
> 25 Cases / Month

The image shows a bar chart with the following details:

- **Surfaces Ablation**: 6 cases in 1997, 4 cases in 2000, 2 cases in 2003, 0 cases in 2006, 7 cases in 2010, 7 cases in 2012, 7 cases in 2013, and 26 cases in 2015.

- **LASIK**: 22 cases in 2000.

- **RLE**: 22 cases in 2000.

- **P-JOL**: 22 cases in 2000.

- **Toric**: 22 cases in 2000.

- **Presby-IOL**: 22 cases in 2000.

- **FS-Cat**: 22 cases in 2000.

The chart is credited to DUFFEY/LEAMING 2015.
Preferred Surgery For a 30 yo -10.00 Diopter Myope

* 44% LVC

DUFFEY/LEAMING 2015
Preferred Surgery For a 45 yo +3.00 D Hyperope

*61% LVC

DUFFEY/LEAMING 2015
Preferred Surgery For 45 yo +5.00 D Hyperope

DUFFEY/LEAMING 2015
Family LVC Index: (LASIK or PRK Performed on Yourself and Family Members)

* >3X the general population

DUFFEY/LEAMING 2015
Excimer Laser Most Commonly Used

DUFFEY/LEAMING 2015
FemtoSecond Cataract Laser
Most Commonly Used

<table>
<thead>
<tr>
<th>Device</th>
<th>2014</th>
<th>2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>LenSx</td>
<td>56</td>
<td></td>
</tr>
<tr>
<td>Catalys</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>LensAR</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>Victus (B&amp;L)</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Flapmaker Most Commonly Used

* 76% femtoflaps

DUFFEY/LEAMING 2015
Topography Unit Used
(some physicians use more than one)
Preferred Surgery for “Pre-Cataract” Presbyopia
Minimum Residual Stromal Bed Thickness Requirement for LASIK

* 61% at 275 microns or greater

DUFFEY/LEAMING 2015
Total Cases of Post LASIK Ectasia as the Primary Surgeon in Career

* Continued Decline
LVC Post-Op Antibiotic

DUFFEY/LEAMING 2015
Cataract/RLE Post-Op Steroid

![Graph showing the use of different steroids for cataract/RLE post-op.](image)

- Pred: 61
- FML: 10
- Lotepr: 0
- Dex: 0
- Durezol: 28

DUFFEY/LEAMING 2015
LVC Post-Op Steroid

DUFFEY/LEAMING 2015
Threshold of Astigmatism Offered Correction at Cataract Surgery

*68% will offer to correct astigmatism when it has reached 0.75 D and 97% when it has reached 1.25 D

DUFFEY/LEAMING 2015
Procedure for Low Astigmatism Intervention (0.5 to 1.0 D)

* 86% LRI/AK
Procedure for Medium Astigmatism Intervention (1.12 to 2.0 D)
Procedure for High Astigmatism Intervention (2.0 D plus)

DUFFEY/LEAMING 2015
Do You Currently Perform CXL?

<table>
<thead>
<tr>
<th>Year</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>'12</td>
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<td>'15</td>
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</table>

DUFFEY/LEAMING 2015
Overview of FS Cataract Surgery:
% of All FS Cases of All FS Surgeons

DUFFEY/LEAMING 2015
Total LVC Volume in ISRS (x1000)

*27% Decrease in Total LVC from 2014.
*Ratio of PRK / Total LVC stable at 28%.
FemtoSecond Laser-assisted Refractive Cataract Surgery up from 19% to 29% over the last year.

FS, Toric and PresbyIOL are not high volume refractive surgeries yet like LASIK in its heyday, but moving forward.

Multifocals trump Accommodative IOLs, but neither high penetration.

More astigmatism management (even low) in cataract surgery.

Healthy LVC and Premium IOL Family Indices amongst refractive surgeons themselves.

Post-LVC ectasia on the decline.
- Types and volumes of refractive surgeries currently being performed.

- Post-operative use of antibiotics, steroids, and NSAIDs.

- Surgical venues for various procedures…and more.
Thanks to the ISRS leadership for their support and for your participation in this Final 2015 Survey

We Could Not Have Done It Without YOU!!

***Complete 20 years of survey results found at www.duffeylaser.com